



Solar Power 101

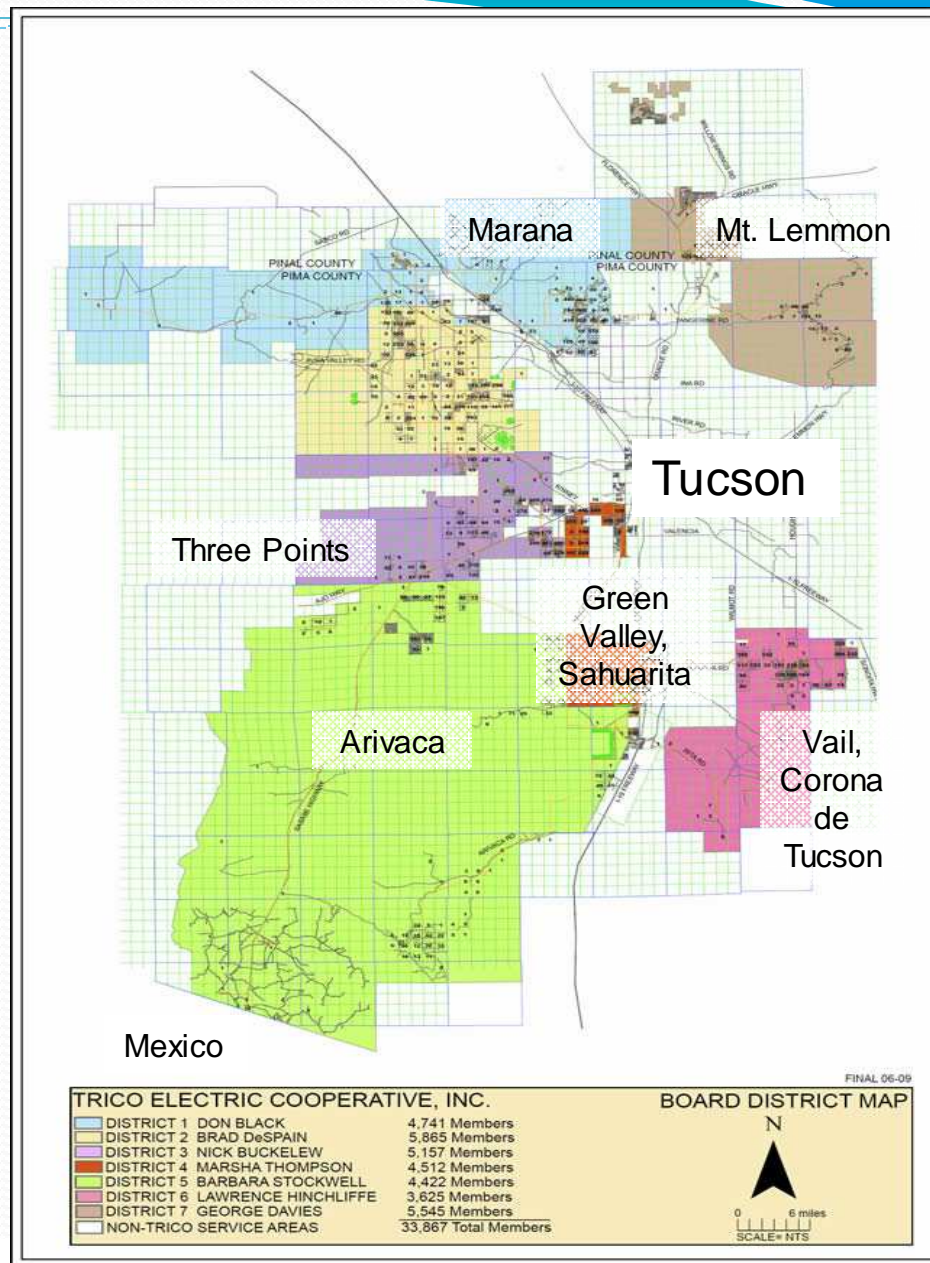
June 10, 2010

Topics

- Overview of Trico
- Current Renewable Energy Programs
- Upcoming Projects
- Questions

About Trico

- Non-profit electric cooperative
 - No shareholders
 - Member (i.e., customer) owned
- Governed by a board of directors, who are elected by Trico Members
- Rates cover cost of doing business, not marked up for profit
- Money is given back to Members when margins and equity permit (capital credits)
- Trico does not generate power



SunWatts Programs

A program designed to help members of Trico Electric Cooperative take part in renewable electric generation technologies.

SunWatts Rebate Incentive Program Summary

<u>Technology</u>	<u>Up-Front Incentive</u>	<u>Performance-Based Incentives*</u>
Solar Electric	\$3 per watt up to 10 kW (up to 40% of total cost)	For systems 10+ kW; not to exceed \$.14/kWh
Small Wind	\$3 per watt up to 10 kW (up to 40% of total cost)	For systems 10+ kW; not to exceed \$.14/kWh
Solar Water Heating (OG-300 rated)	\$.75/kWh for first-year savings	Not eligible
Solar Daylighting	\$.20/kWh for first-year savings	Not eligible
Geothermal		
Electric	Not eligible	\$.022/kWh over 20 years
Thermal	Not eligible	\$.043/kWh over 20 years
Biogas/Biomass		
Electric	Not eligible	\$.054/kWh over 20 years
Thermal	Not eligible	\$.013/kWh over 20 years
Cooling	Not eligible	\$.029/kWh over 20 years
CHP-Electric	Not eligible	\$.031/kWh over 20 years
CHP-Thermal	Not eligible	\$.016/kWh over 20 years
Solar Space Cooling	Not eligible	\$.115/kWh over 20 years

Renewable Energy Generation systems that qualify for Performance-Based Incentives (PBIs) will be subject to a competitive selection process; therefore, renewable energy credit (REC) price should be competitive.

*Performance-based Incentive (PBI) program requirements:

- Eligible Renewable Energy Generation systems must be over 10 kW but less than 1 MW. Projects 1 MW and larger are negotiated on a per-project basis relative to current market conditions.
- Eligible Renewable Energy Generation systems will serve a Trico member/load.
- Eligible Renewable Energy Generation system will meet Trico's Interconnection requirements.
- Projects are evaluated and selected quarterly.
- Evaluation includes: proposed REC price; community and system benefits; program budget; system output, and other considerations.
- Top projects are awarded until budget for quarter is exhausted.
- Remaining projects can be resubmitted the following quarter.
- Installation must be completed within 8 months of acceptance or project must be resubmitted.

SunWatts Funding

- Funded through the Renewable Energy Standard Tariff (REST)
- Current 2010 Surcharge to all Trico Members
 - Residential \$2 max per month
 - Non-Residential \$74.10 max per month
- Surcharge funds all renewable programs

Rebate Process

- Member enrolls:
 - Member submits enrollment/qualification packet
 - Contractor system plans checklist
 - System diagram/drawings
 - Copy of permits application
 - System quote
 - For grid-tied systems:
 - Contractor certifies Interconnection requirements
 - Interconnection Agreement is executed by Member

Rebate Process

- Trico reviews enrollment forms
- If the enrollment packet is approved, Member is notified of:
 - Rebate reservation waiting list status
 - Installation may commence AFTER these steps
- **Time limitation:**
 - System **must** be installed within 6 months of enrollment
 - If System is not installed within 6 months of enrollment, the rebate reservation is cancelled
 - Member may enroll again under the plan in affect at the time of the new enrollment approval

Rebate Process

- When installation is complete, submit the following:
 - Final system invoice
 - Approved permits
 - Revised drawings
 - Contractor interconnection certification
 - Request Trico's interconnection inspection
- Once complete, rebate is eligible for funding per rebate waiting list schedule. Current wait time is ~ 24 months.
- Rebate payment may be assigned directly to the contractor, or other party, per the request of the Member

Net Metering

- Trico Net Metering Tariff decision was issued by the Arizona Corporation Commission (ACC) on January 26, 2010
- System needs to meet the qualifications of Net Metering Tariff and Rules
- You **MUST** sign up to participate in the Trico Net Metering Tariff
- Part of new enrollment packet process or renewable generation

Large Scale Generation

- PBI (Performance Based Incentive) :
 - 10kW, but less than 1MW
 - Rebate not to exceed 50% of Real Project Cost
- PBI Program Description and Enrollment Forms available on our website
- Competitive bid process

Upcoming Projects

- Continental Schools (PV)
- Tucson Water (PV)
- Pascua Yaqui (PV for Schools Program)
- Community Solar Project (Grant)



Questions?



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or visit our website at

www.trico.coop